# ORCHIDS FOR HOUSE CULTURE: WATERING WINDOW PLANTS: JAPANESE MINIATURE TREES: BIG PUMPKINS



a twelve acre bed, young plants wood take root and can be planted out propagated last spring and the in the spring. mail plants set out in this field or early in September, when they were the cooking starts them into growth. at their best. This field contains more than haif a millions plants, the ties planted in blocks of from 3,000 to The great display of color beggars description and must be seen to be appreciated. At a distance the field appears to be covered with a cigantic Turkish rug.

field of hardy perennials is planted in rows about eight hundred feet long. The rows are from 2½ to feet apart, while the plants in the rows are from 12 to 18 inches apart. first two rows at the left of the eture are the improved Giant Daisy, Pyrethrum Uliginosum Stellata: next three rows are Achillea, The Pearl, the next Chelone Lyoni or Shell Flower. next row is False Dragon Head, Physostegia Virginica, followed by Pennisetum Japonicum, Hardy Perennial Sunflower, while beyond the trees a

distance from the office | growth. of the owner, Henry A. Dreer, Phila-

pot nearly to its rim in a vessel of water, at least as warm as the temperature of the room or a trifle warmer. Let the pot remain in the water for about fifteen minutes, or until the air bubbles cease to rise

From October to March plants will watering only about once in seven days by this method. Plants in warm room require more water than

penetrate to where it is needed. When sand. When watering care is taken not the upper surface of the soil becomes to disturb the top covering of sand, sodden the soil is filled with stagnan: which lets the water down into the botair and fresh air is prevented from tom soil immediately. The bulbs do

Frequently people are advised to water plants with cold tea or coffee or plants require liberal feeding. To bene- pumpkin. fit by food applications, plants must For pies, many prefer the smaller Dwarfness is maintained bave healthy roots with healthy followed by the control of the smaller barbar bar

health will be benefited by plant food.

When a person is ill no one would think of feasting them, and so it is with most pumpkins and makes good pies. It form of the plant.

off or with an offy cloth. not permit insects to attack the foliage of plants.

## A GLORIFIED PEACH BASKET.

sand

HE field of phlox is a section of winter and sometimes the ivy and box

If buds are formed on Blac and horse during May in rows two and one-half chestnut and apple tree branches they feet apart and quite closely in the row. will come into flower if set in these of the stronger plants began receptacles in February if the temperaflowering in July, the majority coming ture is favorable, as in a kitchen wininto bloom in the latter part of August dow, where the warmth and steam of

> Select a good sized carrot and cut off the tapering point, leaving about three or four inches of the top. Scoop out the centre from the bottom, using care not to injure the crown. Run some cord through the sides and hang it up with the crown forming the bottom. Hang it up in a sunny window. Keep the hollow filled with water and leaves will soon begin to grow, turning up around the stump, making a pretty hanging basket. The same thing can be done with a beet.

branches of trees, requires no soil, but soil, however, must never be permitted fly) is given its share of attention and autumn. The roots are used for pressdoes not grow as usually treated when to dry out. During spring and summer brought north. If suspended in the they should be kept in a sunny, airy block of green and white Variegated window garden and soaked occasionally situation, where the breeze will pass Glant Reed and other hardy grasses in water it will grow, provided it is freely through the branches. Water shaded from the direct rays of the sun, about once a day, but in dry, These flower farms are at Riverton, which dries it out and checks the weather it may be necessary to water

have seen this year for indoor cul- dry weather is bad, but natural rain Plants in the window garden should ture was a window box of hyacinths, will be beneficial. In summer this plant watered thoroughly when they are For the bottom soil to take care of the is very ornamental on porches, terwatered, and then not watered again root growth, rich garden soil was used. races, &c. until the soil is dry. By dry is meant mixed with one-third of sharp sand Grown as a house plant it should needing water, not permitting the soil borrowed from a mason laying the



a seedsman. This combination was required for indoor decorations. of the pot, and if the sound is duil and stirred about until it was thoroughly when dwarf trees commence growing mixed and was then placed in the winin the spring give manure twice a

plants in the least, and if continued but one flower to throw the entire crease in size sufficiently to require a will likely be the death of the plants, strength of the plant into one pumpkin, larger pot. March is the best time to All plants need is good soil, water and Supply the plant at the hill with sufficient, just before growth commences. m occasional application of manure. | cient fertilizer and plenty of water. In shallow pots a portion of the old Plants are like people. Only healthy This will give you an exhibition size soil should be renewed annually to

healthy roots, with healthy foli-lants that have not recently been or New England Pie pumpkin. The thumb and finger, and this should be a year or more and in good the flesh rich yellow and makes delicious should be pinched out all over the plant

plants. Plants with few roots and is a round pumpkin with finely netted

get from the soil and water, and King of Mammoths, is one of the set plants, but it should be used only uthrifty plants, Sickly plants should be reported in the skin is a rich dark yellow; the flesh is lighter than the skin. nen seil fertilizers suitable for largest. Specimens have been grown and August, leaving four or five leaves

Sickly plants should be reported in fresh, sweet soil, and if possible send them to a florist for hospital care in a greenhouse. Common plants that are alling had better be consigned to the ash can and begin over with a good healthy specimen. Keep house plants out of draughts, planted with corn, about every fourth hill is the right distance, and the pump-Clean the outside of puts once a month kins can be planted at the same time as the corn. To keep the varieties of pumpkins separate they must be planted Acces clean the leaves of plants with sible. When planted together they will mix.

## FRUIT GROWING IN TEXAS.

J. E. Fitzgerald of Stephensville, Tex. says: It may surprise some of your with green crepe paper. Set readers to know that we grow very fine securely wired, a barrel hoop apples and other fruits in Texas, but we rehed handle. Fasten upon do, and this year our apple crop has surface of the basket small been immense. As we can only grow edar, boxwood or ivy. apples in restricted areas they often der top and bottom of by bring three times as much a barrel as xleading them up and over the Northern grower gets for his apples, Set a stone or granite jar. In my orchard I have growing apples. thin the basket. Fill the jar peaches, figs, persimmons, grapes, aturate it and allow a half pecans, and last but not least several vater to stand on top of the kinds of blackberries. The Northern vain the sand branches of rietles of blackberries are all very late sure or ivy or any ever- here; we grow the Mercereau from you can obtain. Smilax or New York State that ripens here in cattails are very pretty. July. The wild blackberry was abun-eptacle is ready for the dant in Texas. Along the banks of the serve to hold carnations every creek and hollow, before the counsees, and if they are try was settled, they grew in abunderedden abulletin on deciduous holly with dance. When the country was settled peach yellows and little peach by L. F. same time attempts to sell or even ry ornamental many of the best plants were brought the Christmas season in under cultivation. One of them, the peach grower, where there is a demand Austin dewberry, has supplanted the Lucretla wherever tried. This berry, er some one can use grape much earlier than the Lucretia, is very must be tin lined to productive of large, rather sour berries.

times ripen a crop of berries in the fall. fruit and having produced at the rate of \$1,000 an acre. McDonald berries are large for a blackberry, often rivalling in size the largest dewberry. Last year we grew berries two inches long. They bear in clusters, are not very thorny

Fruit growing is very profitable in last year or two that any one has thought of spraying. We have the whole South and much of the North for a market. The winters are cold enough here to kill our fig plants down to the ground each year, but as the fig bears on new wood they come up and bear fruit plentifully. The apples we raise are Ben Davis, Wénesap, Missouri Pippin, Red June and many others. Duchess does well and even Baldwin and Northern Spy will bear heavy

#### MINIATURE JAPANESE TREES.

Dwarfed Japanese trees have becompopular in the last few years and many varying in age from a few years to, as claimed by the Japanese, a hundred ing trees to cultivate on account of management to keep them in good

Thuya obtusa is one of the most popular of the Japanese dwarfed trees. They are rather difficult to keep growing and in good condition in the house during winter. They do best in a coof Spanish moss, quite common in many greenhouse, kept partially shaded, recommended. of our Southern States, growing in the watering only about once a week; the twice a day. The soil must not be kept wet and it should not be watered until The best job of bulb planting we the soil needs it. Watering overhead in

never be exposed to the dry heat of to become thoroughly dried out. The foundation of a new building in the rooms kept warm, such as a sitting best way to do this is to immerse the neighborhood. The other third was as this will cause the leaves to drop and the plant will die.

Pinus pentaphylla and pine trees in general grown in pots require the same attention and treatment. Maples and ther deciduous trees require the same treatment, but can be kept in a cool ellar after the leaves have fallen in the autumn. The soil, however, musnot be abowed to dry out. Early in the plants in a cool room. No set rule can prepared stable manure obtained from when in full leaf they can be used as

sound is hollow or ringing water is dow box. Over this bottom layer, meeded immediately.

| Image: Spring give month, from March through June and which was nicely levelled off, about a grain in September and October. Durated the spring give month, from March through June and again in September and October. Frequently watering pot plants with quarter of an inch of sand was ing the hot days of July and August E pitcher or watering can, usually the evenly spread and on this the hya-method employed, sours the upper layer cinths were placed. The box was then of soil, and besides the water does not filled to the top of the hyacinths with disineter apply three or four teaspoon-

This is done by air and fresh air is prevented from penetrating to the roots. The use of cold water chills the roots and makes the plants unhealthy.

tom soil immediately. The builds do not touch the rich soil, so the manure cannot rot them, but they will send their roots down and feed on the rich soil below.

knocking the ball of earth out or the pot, removing about one-third of the old soil with a sharp pointed stick around the edges and bottom. Spread fresh soil evenly over the bottom, around the edges and fill set the plant in the pot and fill water plants with cold tea or coffee or stale beer, and sometimes castor oil is large pumpkins plant a variety that several reportings, the plant will in- large pumpkins plant a variety that several reportings, the plant will in- a little every day so all sides will replants with cold tea or coffee or stale beer, and sometimes castor oil is large pumpkins plant a variety that several reportings, the plant will in- a little every day so all sides will re-

With pomegranates, lagerstroemia, inplants. Plants with few roots and is a round pumper. With the sickly foliage will not be benefited by skin, with thick flesh of fine flavor. The dica. flowering cherry, flowering sickly foliage will not be benefited by skin, with thick flesh of fine flavor. The dica. flowering cherry, flowering skilling of four states of the sickly foliage will not be benefited by skin, with thick flesh of fine flavor. The dica. flowering cherry, flowering skilling of four states of the sickly foliage will not be benefited by skin, with thick flesh of fine flavor. The dica. like card and orchids and some ferns For large punpkins. Large Yellow ing. Wistarias should have all the young growth pinched back in July The on each shoot.

## ALBA FLORE PLENA ODORATA.

This is the long descriptive name of

the lovellest and most fragrant of the family of narcissi and the least known. A few years ago one could not find it in has come to the surface. Yet still it is too rarely planted in the gardens. The probable reason is that it is the latest flower, coming in after all the other daffodils are gone. It is often called the gardenia flowered, owing to its delicious fragrance and its waxlike petals and absence of conspicuous jessamine that we in the north see only in conservatories. It is very floriferous, very hardy, often with twin blossoms on one long stem, each the size of half a dollar, very double. If planted in pots will be ready to spread over the garden and then taken to the garden it can be brought into bloom earlier, but it is fertilizer, quite worth waiting for, as it stays a long time, both in the border and in and inexpensive, but it is now growing at once late for outdoor planting and it ought to be set out as soon as possible SUSAN P. OKIR.

affected trees must at once be cut out there is foot and mouth disease.

cents a bushel for potatoes. City con-sumers are paying about \$1.15 a bushel. Moreover, such people may dissemi-

the Dallas, a blackberry that is nearly producing; 86 cents, or more than two-carried on the clothing. Keep animals seedless and a herry that is almost everbearing. New canes of this herry some-bearing. New canes of this herry some-something radically wrong in methods definite business with them. Our last candidate for favor in the fruit potatoes have to pay triple the cost of line is a herry called McDonald. The production to obtain a vegetable that plant of this berry proves to be an is produced in abundance almost at our evergreen wherever it has been tried, doors on Long Island, in New Jarsey, It is wonderfully productive, single Connecticut and neighboring counties in vines often bearing twenty quarts of New York State.

The Agricultural Department reports a marked decrease in sypsy and browntail moth the past year. Parasites and beetles that attack these dangerous insects have been introduced and have and are easily picked. The quality is been largely instrumental in securing

Texas. We have not yet reduced it to lime-sulphur, arsenate of lead and nicoan exact science, like the growers of the time, has been used successfully during considerably. But the experiment may North have; ft has only been during the the year by many erchard growers to last year or two that any one has control insects and fungous diseases. Other pelsons to control orchard in-sects have been developed and are now being tested. Arsenical sprays are being made more practicable for use in combating cranberry pests in New Jer-sey. Effective spraying has also been done in the pecan orchards of the South, tural Department in the work. Remedies are also being recommended and developed for pests that endanger apple, peach and pear orchards.

The cotton boll weevil did about \$80,crop in 1913, as estimated in the report of the entomologist. Nearly square miles of new territory became have been imported into this country, is being made to control these depredations, particularly by the use of powdered orthoarsenate of lead, and hand years or more. They are very interest- picking of cotton squares and boils. their quaint shapes, but require careful ing results and the question of its success under practical plantation conditions to-day remains undecided.

seem to give another cotton pest, the

The typhoid fly (the common house most completely controlled in the manure and the value of the fertilizer re- of fresh main unchanged, if applications of com- pounds of dry material. of manure.

Investigations have been carried on to discover remedies for insects which graph poles, railroad ties and tool handles. Users of these products are now putting the results of the investiwood products liable to attack by the so-called powderdust beetles it has been found that kerosene and linseed oil are effective repellents against these insects. A rather general utilization of lowed this discovery.

## ROSES FOR HOUSE CULTURE.

Roses cannot be called good window plants, still some people succeed with The foliage must be kept free hem. from insects and the plants from cold

The best kinds to grow are the polyantha roses, Cecil Brunner, Perle d'Or; Chinas, such as red and white Pet; in teas, Sunrise, The Bride, Lady Roberts and hybrid teas, Papa Gontier and Liberty. There is also another class called flowering when about three months old, The polyanthas and Chinas are best,

Plants should be purchased in pots in the autumn and kept in a window in a cool room until about the first of the year, when all weak shoots should be cut off and the others cut back about one-third. In February place the plants ceive an equal amount of sun. Watch for green flies and spray with weak tobacco water as soon as they appear When the flower buds form, give weak Dwarfness is maintained by pinching ing, when they should be plunged in repetted. Plants like palms, rubber pumpkins are shall but sweet and fine done from April to about the middle of tober repot in rich soil and bring into obtained, the collection making a plants, &c., that have been growing in grained. The skin is deep orange and June. On thuyas the points of growth a cool room, watering about once a tractive window cactus garden. tober repot in rich soil and bring into obtained, the collection making an at- advantages. They are made from a cool room, watering about once a tractive window cactus garden. month. Cuttings can be rooted from to maintain the form. On pines, pinch these plants by placing them in a bottle of water hung in a window during

## THE WINDOW GARDEN.

Trailing plants grown in pots, set in wire or wooden baskets suspended from the top of the window, are attractive. The pots can be held firmly in place by packing them in moss.

There are numerous suitable, inexpensive plants for this purpose, including Asparagus Sprengeri, Cereus flagelliformis, Campanula isophylla blue, and isophylla alba, white, Fuchsia procumbens, Othonna crassifolia, ivy leaved geranium, Lynaria cymbalaria, Saxi- given a sunny situation will thrive. Tradescantia, Hexaline Solieroll, &c.

Continue to rake up and save the leaves. Cover the bulb beds and beds of perennials with leaves. In the spring rake the leaves carefully from the beds, stamens. It is more like the double pile them up and wet lightly with a hose or sprinkling can, cover lightly with lime and turn them over and cover with lime again, repeating this operation two or three times, when the leaves and turn under, making a valuable

Now is a good time to look over the the vases of the sitting room. Com- fruit trees for scale. If any indicabined with smilax or asparagus or ferns tion is found of these troublesome init is charming. It is of easiest culture sects, spray with lime-sulphur solution

Men who have no connection whatever with the Department of Agriculture are attempting to pass themselves If yellows or little peach appears the off as Federal inspectors in States where

There is no specific remedy for the

Trees can be trimmed now; also stape

ORCHIDS FOR THE WINDOW GARDEN.

Many inquiries have been received regarding the possibility of growing orchids in the window garden. A few may be grown thus with fair success, particularly where no illuminating gas used. Orchide cannot be expected to thrive, as in greenbouse, in a living A combination spray, composed of room where the air is more or less dry and where the temperature varies be tried with one or two plants.

Odontoglossum cervantessil grown in a pan, suspended from the tep of a sunny window; odontogic grown in a pot, will flower in the spring; cypripedium insigne, or lady's slipper, flowering in winter, grown in a pot, are the best to begin with.

Forty-five to fifty-five degrees is the right temperature for these orchids, but they will stand sixty degrees well. The leaves must be frequently sponged to remove the dust, and watering must be done cautiously. The best method of watering is to set the pots or pans 600,000 worth of damage to the cotton in tepid water every other day or so, or every day if the compost dries out quickly. No fertilizer of any kind can

> Dandellon roots, used medicinally, have been scarce in England this year, selling around \$10 per hundredweight, but in September \$27.50 was paid. Seems as though there might be a

About four pounds of seed drilled in rows a foot apart will plant an acre. Violets growing around a cotton field The crop is cultivated and kept free from weeds. Flower heads must be picked off red spider, an opportunity to work, and as they appear, otherwise the winged the destruction of this harmless appear- seeds will cover the cultivator's land ing flower to control the spider is and his neighbors' also, smothering out every other plant.

means of control by treating manure, ing out the juice or making dandellon extract or they are mashed, sliced and oped. It seems that the fly can be al- dried. The yield should be four or five tons to the acre. One hundred pounds roots yield about twenty

German dandelion roots have sold .62 pound to 10 cubic feet (8 bushels) well in England, but this supply has been cut off.

Every one interested in hortfculture damage such forest products as tele- when visiting St. Louis should visit the Missouri Botanical Gardes, formerly called Shaw's Gardens. At any season of the year there will be sufficient of gations to practical tests. With hard- interest to be seen to make a trip to the gardens profitable.

Planters are warned by the Agricultural Department against the use of table potatoes for planting purposes. these oils by manufacturers has fol- Even though they do not show disease. they may have been exposed to powdery scab.

from powdery scab, that they were of the wood will be prevented. are not violating any law, but they are with spray, under, over and on all sides fairy roses, easily raised from seed, the introduction of a dangerous disease secticide and clean up and destroy all and a quarantine should the powdery decayed or frozen frui

scab be introduced. The white seed certificate relates only tageously, promoting rapid growth early to freedom from powdery scab, but po-tatoes so certified are likely to be of crop. better quality and less mixed than table stock potatoes. The supply of certified seed potatoes in Maine is ample, and more apples every year than the States the price this year is low, so that there of Washington and Oregon combined, is no excuse for planting table stock

culture and in a sunny window, where trees. The old fashloned pole When the flower buds form, give weak manure water once a week. About June the plants will be through flowering, when they should be plunged in the parties will have full the random where they will have full the random where the random will be through flower the random will be through flower the random while water that in a sunny window, where it can be described by the control of the random where the random will be through flower. They are from disease and comparatively so from insects. There are almost in supplies a pole pruner that entirely the random where the random will be through flower. the garden, where they will have full numerable varieties and all are good, overcomes this difficulty, not only being sunlight and regular watering. In Oc- A hundred or more varieties can be perfectly safe, but it has many other

pots they will fit. The compost should piece is placed where desired and the be good, rich soil two parts, and one cut is clean, allowing the wound to part sand. Do not water the plants heal quickly. They are readily taken until two or three days after they apart for grinding. On short poles have been poited. Shade from the sun these princers are just the thing for SIMPLE HANGING BASKETS FOR until the plants get started. Cacti re- pruning raspherries and blackberries quire but little water and must always The Massachusetts Moth Commission be watered sparingly. Apply the water directly to the soil. Do not wet the operation.

> for window culture with eactl, echevera, semperveyum, kleinia articulata or candle plant, aloe arboresceus and others. The compost should consist of loam, two parts; sand, one part; to which should be added a little charcoal and powdered oyster shells. These plants require but little water and

## UNITED STATES.

While the extraction of potash from thirty minutes. such natural silicates as the feldspars practical method of producing ammonia believed to have been caused by consimultaneously with potash from feld-taminated milk. In both of these outspar. The most promising American breaks the sale of milk was nually, either as dried kelp or as pure areas in Europe, the problem would bepotassium chloride, over six times the come more serious. Under any circum present consumption of soluble potash stances, however, pastenrization we The New York State Department of disease and any one who says he is an griculture has issued a bulletin on employee of the Department and at the production. The development of a great is any reason to suspect that the dissalts in the United States, or something be an efficient remedy. Where pasteur Strickland that should be read by every peach grower.

Strickland that should be read by every peach grower.

Stock owners are warned not to allow strangers to visit their stock or attempt

Stock owners are warned not to allow strangers to visit their stock or attempt

American industry, based on the consensual energy of this importance in the importance of this importance in the importance of the importa American industry, based on the con- jease may exist, the precaution of t Farmers are receiving from 30 to 35 any demonstration of so-called cures tural interests, seems now to be a mat- sent free on application to the Unite



A field of hardy perennials.

the transition from the old "beehive" to tips, &c. materials people is gradually but steadify with- sions to property, and not be drawing these "organic" carriers from effects upon the health of mankind, the command of the fertilizer manufacturers, while the demand for nitrogen carriers is steadily increasing. Following up previous investigation of the possibilities in the fish scrap industry of the Atlantic coast, already developed, a study has been made of the possibilion the Pacific coast, including Alaska, by the Department of Agriculure, bureau of soils. The waste fish and fish refuse approximate annually 120,000 tons and can be made to yield about 12,000 tons of scrap (fertilizer) and 3,000,000 gallons of oil, worth, perhaps, \$1,800,000. A study is also now under way of the possibilities under American conditions of utilizing garbage and other city wastes.

Although improvements are being made the wastage of phosphate rock at the mines is still disconcertingly large. Florida, where the most actively worked fields are situated, tions have shown that practically two every pound produced in merchantable rock. Studies are now being made look-ing to the recovery or prevention of some of this wastage by mechanical

Now is the time to prune fruit trees, the season's growth of wood is thoroughly ripened, the sap is out of the branches. ing," and the pruned parts will have tatoes they buy bear the white label of time to adjust themselves to the new the potato inspection service of the Ag-ricultural Department. This label is Prune all limbs close to the body of the conditions before spring growth begins placed on each container and certifies tree and as smoothly and neatly as; that the potatoes have been examined possible, and if the wounds are painte by Federal inspectors and found free with white lead and linseed oil cracking

Some dealers have been buying table ing advantage of the first warm day. stock and selling it for seed. These men See that the trees are properly covered Fertilizing can be done now advan

Monroe county, New York, ships

caused many deaths the past few years Cacti are interesting plants for house of men using pole pruners in pruning Pot the plants always in the smallest hold the firm firmly until the severed

## Succulent leaved plants are desirable HUMAN HEALTH AND THE FOOT AND MOUTH DISEASE.

Pasteurization of all milk used is recommended by the Department of Agriculture. It has been demonstrated by experiments which have been made in Denmark and Germany that pasteurization will serve as a safeguard against contagion from the foot and mouth disease just as readily as it do FERTILIZER RESOURCES OF THE against typhoid fever, but in any event must be heated to 145 degrees Fahren-

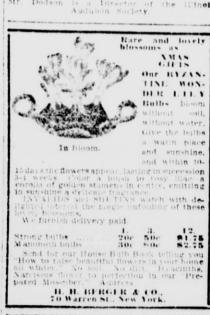
In this country the foot and month is quite feasible physically, it is not disease has been so rare that there are practicable economically, unless some other salable product is produced in the human beings, in 1902 a few cases were same operation. An investigation into reported in New England, and in 1908 the use of feldspar in the fixation of at- in a few instances crupftons were found mospheric nitrogen showed promise of a in the mouths of children which were source of potash, however, is the annual soon as the disease was found among crop of giant kelps on the Pacific coast. Working maps have now been made of disease can be confined by rigid quarannearly all the commsrcially available time to certain specified areas the dankelp beds from the Ceuros Islands to the street from this source is very small. Shumagins, off the Alaskan coast. The Should the pestilence spread all over area of these beds aggregates nearly 400 the country and become as general as square miles, capable of yielding an- it has been at various times in large ural interests, seems now to be a mater sent tree on application. Men er of time only.

If all the coal that is now coked in who come in contact with diseased animals may also become infected. In They endure all The next berry to gain prominence was Thirty-five cents, about one-third, for nate the disease. The United States were treated in modern also make may also become infected.

ern by-product ovens and the ammonia adult human beings the contagion thereby saved, the nitrogen tennage causes such symptoms as sore mouths, would be about that new consumed in painful swallowing, fever and occathe fertilizer trade of the country. While sional eruptions on the hands, finger the modern furnace method is steadily discomfort the disease is rarely serious. progressing, the greater dependence for Where it is very prevalent among ani-nitrogen carriers yet remains in cotton- mals, some authorities believe that it is seed meal, slaughterhouse by products, fairly general among human beings, but fish scrap and some other less important that the disturbances it causes are The growing and insistent usually so slight that they are not demand for more nitremeneous feeds en brought to the attention of the family support the meat production demanded physician. The disease, in short, is danby the dietary customs of the American gerous because of the loss that it occa-



JOSEPH H. DODSON.



## An Old-fashioned Christmas Gift

Send your friends boxes of apples this year. A movel and effective solution of the Christians problem. Write for booklet containing handsome color plates and descriptions of various varieties of apples and when to eat them. Address.

Northwestern Fruit Exchange Skookum 93 West Street, New York The Apple of Flavor. At all grocers. Buy them by the box. Insist on "SKOOKI M"

Sole Distributors to the Trade. STEINHARDT & KELLY, New York

Ferrets For Sale - Either cotor, large of lors choice stock C. H. Keeler & Co., Greenwich, Ohio. CHRISTMAS CHIER. Large hamper fine d upples, \$1.00. Ten Gal Keg Dellelon

Sacet Apple Citer, \$100 From Sale Reg Deletions Sacet Apple Citer, \$100 From 1 From 1 From From Prince SWEET BRIAN FRAM Malawan, N. J. Higley's King of Pruners

Both Self-Holding and Non-Holding. Both A-justable.



Patented February 24rd, 1909, and May 7th, 1915. For further particulars, cuts, etc., address Self-Holding Pruner Co.

The "Old Reliable" Parker Gun.

36 to 40 Winter St., SOMERSWORTH, N. H.

PARKER BROS., Meriden, Conn. N. 1. Salesrooms, 32 Warren St.